

Dispersion of Carbon Nanotubes by Single-stranded DNA Figure 1

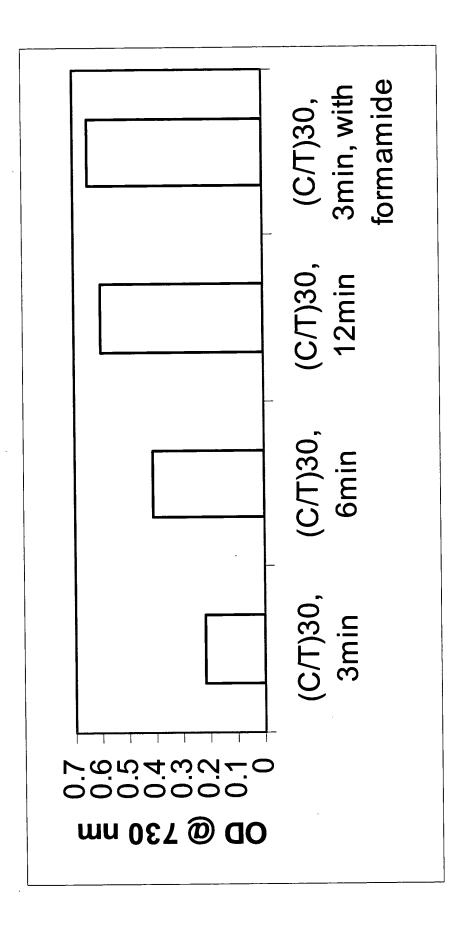
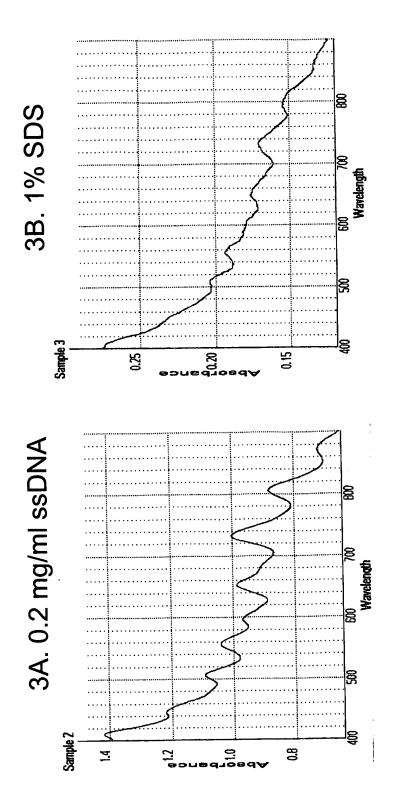


Figure 2

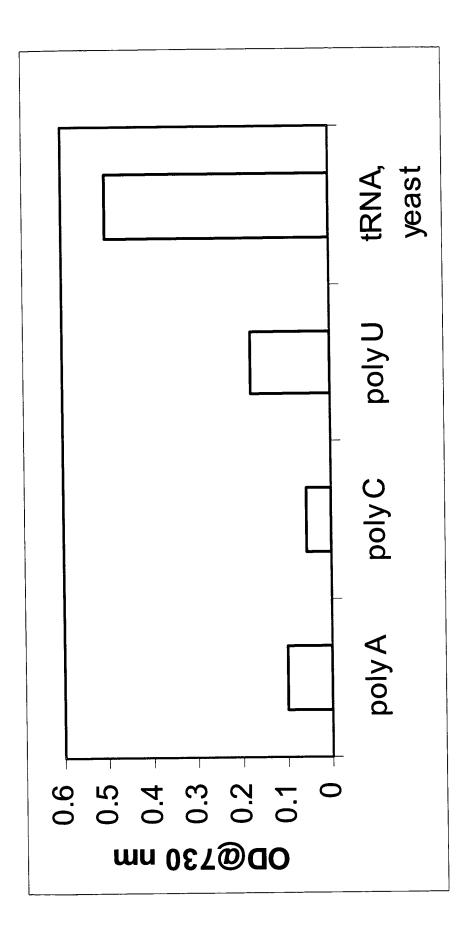
Sonication time and addition of denaturants on dispersion of carbon nanotubes





Dispersion of carbon nanotubes by ssDNA versus surfactant

Figure 3



Dispersion of carbon nanotubes by RNA

Figure 4

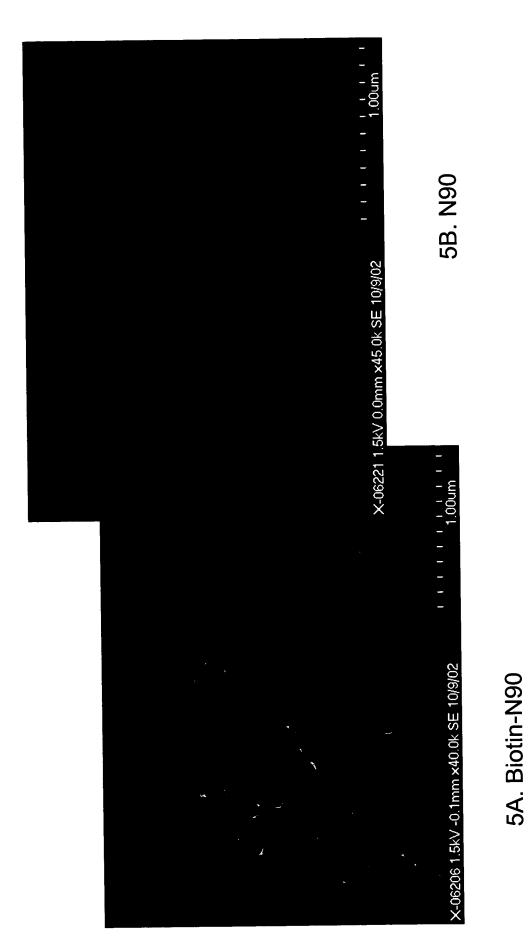
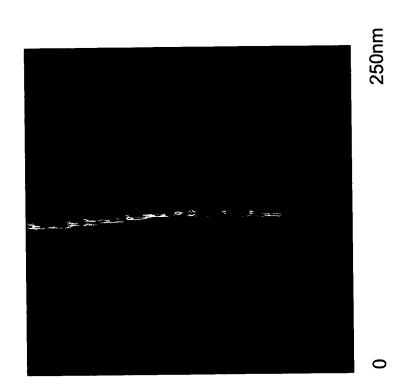


Figure 5

Immobilization of DNA Dispersed Carbon Nanotubes through Biotin-Streptavidin Interaction



Avg spacing = 11nm
Ht of CNT=1.08nm
Width of CNT=1.9nm
Ht of CNT/DNA= 2.16nm

Figure 6 Micrograph of Wrapped Nanotube

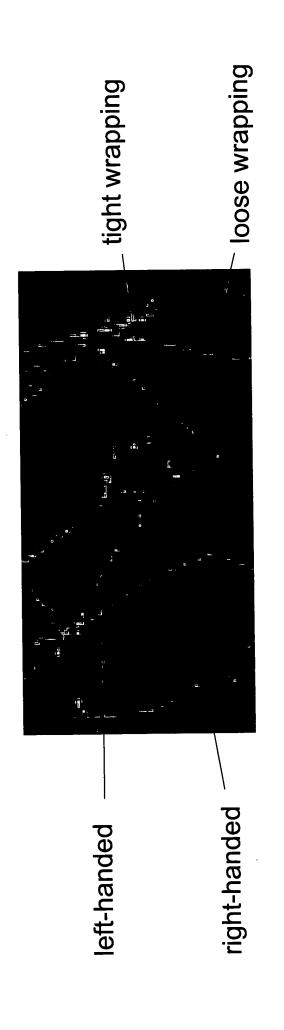


Figure 7 Micrograph of Different Modes of DNA Wrapping on Nanotubes